



# SEQUENCE LISTING

<110> SCHREINER, George F.  
JOHNSON, Richard J.

<120> METHODS OF TREATING HYPERTENSION AND  
COMPOSITIONS FOR USE THEREIN

<130> 219002030902

<140> US 10/749,706

<141> 2003-12-31

<150> US 10/083,817

<151> 2002-02-26

<150> US 09/392,932

<151> 1999-09-09

<150> US 60/099,694

<151> 1998-09-09

<150> US 60/126,615

<151> 1999-03-27

<150> US 60/126,406

<151> 1999-03-26

<160> 11

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 147

<212> PRT

<213> Homo sapiens

<400> 1

Met	Asn	Phe	Leu	Leu	Ser	Trp	Val	His	Trp	Ser	Leu	Ala	Leu	Leu	Leu
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Tyr	Leu	His	His	Ala	Lys	Trp	Ser	Gln	Ala	Ala	Pro	Met	Ala	Glu	Gly
			20					25					30		
Gly	Gly	Gln	Asn	His	His	Glu	Val	Val	Lys	Phe	Met	Asp	Val	Tyr	Gln
		35					40					45			
Arg	Ser	Tyr	Cys	His	Pro	Ile	Glu	Thr	Leu	Val	Asp	Ile	Phe	Gln	Glu
	50					55					60				
Tyr	Pro	Asp	Glu	Ile	Glu	Tyr	Ile	Phe	Lys	Pro	Ser	Cys	Val	Pro	Leu
65					70				75					80	
Met	Arg	Cys	Gly	Gly	Cys	Cys	Asn	Asp	Glu	Gly	Leu	Glu	Cys	Val	Pro
			85						90				95		
Thr	Glu	Glu	Ser	Asn	Ile	Thr	Met	Gln	Ile	Met	Arg	Ile	Lys	Pro	His
			100					105					110		
Gln	Gly	Gln	His	Ile	Gly	Glu	Met	Ser	Phe	Leu	Gln	His	Asn	Lys	Cys
		115					120					125			
Glu	Cys	Arg	Pro	Lys	Lys	Asp	Arg	Ala	Arg	Gln	Glu	Lys	Cys	Asp	Lys
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Pro	Arg	Arg													
145															

<210> 2

<211> 145

<212> PRT  
 <213> Homo sapiens

<400> 2  
 Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys  
 1 5 10 15  
 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu  
 20 25 30  
 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys  
 35 40 45  
 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu  
 50 55 60  
 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile  
 65 70 75 80  
 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe  
 85 90 95  
 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg  
 100 105 110  
 Gln Glu Lys Lys Ser Val Arg Gly Lys Gly Lys Glu Lys Arg Lys  
 115 120 125  
 Arg Lys Lys Ser Arg Tyr Lys Ser Trp Ser Val Cys Asp Lys Pro Arg  
 130 135 140  
 Arg  
 145

<210> 3  
 <211> 191  
 <212> PRT  
 <213> Homo sapiens

<400> 3  
 Met Asn Phe Leu Leu Ser Trp Val His Trp Ser Leu Ala Leu Leu Leu  
 1 5 10 15  
 Tyr Leu His His Ala Lys Trp Ser Gln Ala Ala Pro Met Ala Glu Gly  
 20 25 30  
 Gly Gly Gln Asn His His Glu Val Lys Phe Met Asp Val Tyr Gln  
 35 40 45  
 Arg Ser Tyr Cys His Pro Ile Glu Thr Leu Val Asp Ile Phe Gln Glu  
 50 55 60  
 Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys Pro Ser Cys Val Pro Leu  
 65 70 75 80  
 Met Arg Cys Gly Gly Cys Cys Asn Asp Glu Gly Leu Glu Cys Val Pro  
 85 90 95  
 Thr Glu Glu Ser Asn Ile Thr Met Gln Ile Met Arg Ile Lys Pro His  
 100 105 110  
 Gln Gly Gln His Ile Gly Glu Met Ser Phe Leu Gln His Asn Lys Cys  
 115 120 125  
 Glu Cys Arg Pro Lys Lys Asp Arg Ala Arg Gln Glu Asn Pro Cys Gly  
 130 135 140  
 Pro Cys Ser Glu Arg Arg Lys His Leu Phe Val Gln Asp Pro Gln Thr  
 145 150 155 160  
 Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg Gln  
 165 170 175  
 Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg  
 180 185 190

<210> 4  
 <211> 108  
 <212> PRT  
 <213> Homo sapiens

<400> 4

Met Phe Leu Trp His Ser Ala Leu Tyr His Ala Trp Gln Ala Met Glu  
 1 5 10 15  
 Gly Gln His Glu Val Phe Asp Tyr Arg Tyr His Ile Thr Val Ile Gln  
 20 25 30  
 Tyr Asp Ile Tyr Phe Pro Cys Pro Met Cys Gly Cys Asp Gly Glu Val  
 35 40 45  
 Thr Glu Asn Thr Gln Met Ile Pro Gln Gln Ile Glu Ser Leu His Lys  
 50 55 60  
 Glu Arg Lys Asp Ala Gln Lys Ser Arg Lys Lys Gln Arg Arg Lys Arg  
 65 70 75 80  
 Lys Trp Val Cys Pro Ser Arg Lys Leu Val Asp Gln Cys Cys Cys Asn  
 85 90 95  
 Asp Arg Lys Arg Leu Leu Glu Thr Arg Asp Pro Arg  
 100 105

<210> 5  
 <211> 116  
 <212> PRT  
 <213> Homo sapiens

<400> 5  
 Met Phe Leu Trp His Ser Ala Leu Tyr His Ala Trp Gln Ala Met Glu  
 1 5 10 15  
 Gly Gln His Glu Val Phe Asp Tyr Arg Tyr His Ile Thr Val Ile Gln  
 20 25 30  
 Tyr Asp Ile Tyr Phe Pro Cys Pro Met Cys Gly Cys Asp Gly Glu Val  
 35 40 45  
 Thr Glu Asn Thr Gln Met Ile Pro Gln Gln Ile Glu Ser Leu His Lys  
 50 55 60  
 Glu Arg Lys Asp Ala Gln Lys Ser Arg Lys Lys Gln Arg Arg Lys Arg  
 65 70 75 80  
 Lys Trp Val Val Ala Cys Leu Pro Ser Pro Pro Pro Gly Cys Glu Arg  
 85 90 95  
 His Phe Gln Pro Thr Lys Ser Lys Thr Ser Cys Ala Gln Glu Asn Arg  
 100 105 110  
 Cys Cys Lys Arg  
 115

<210> 6  
 <211> 444  
 <212> DNA  
 <213> Homo sapiens

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 gccaaagtggc cccaggctgc acccatggca gaaggaggag ggcagaatca tcacgaagtg 120  
 gtgaagttca tggatgtcta tcagcgcagc tactgccatc caatcgagac cctgggtggac 180  
 atcttccagg agtaccctga tgagatcgag tacatcttca agccatcctg tgtgcccctg 240  
 atgcatgctg ggggctgctg caatgacgag ggcctggagt gtgtgcccac tgaggagtcc 300  
 aacatcacca tgcagattat gcggatcaaa cctcaccaag gccagcacat aggagagatg 360  
 agcttcctac agcacaacaa atgtgaatgc agaccaaaga aagatagagc aagacaagaa 420  
 aaatgtgaca agccgaggcg gtga 444

<210> 7  
 <211> 516  
 <212> DNA  
 <213> Homo sapiens

<400> 7  
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 gccaaagtggc cccaggctgc acccatggca gaaggaggag ggcagaatca tcacgaagtg 120  
 gtgaagttca tggatgtcta tcagcgcagc tactgccatc caatcgagac cctgggtggac 180

atcttccagg	agtaccctga	tgagatcgag	tacatcttca	agccatcctg	tgtgcccctg	240
atgcatgctg	ggggctgctg	caatgacgag	ggcctggagt	gtgtgcccac	tgaggagtcc	300
aacatcacca	tgcagattat	gcgatcaaaa	cctcaccaag	gccagcacat	aggagagatg	360
agcttcctac	agcacaacaa	atgtgaatgc	agaccaaaga	aagatagagc	aagacaagaa	420
aaaaaatcag	ttcgaggaaa	gggaaagggg	caaaaacgaa	agcgcaagaa	atcccgggtat	480
aagtcctgga	gcgtatgtga	caagccgagg	cggtga			516

<210> 8

<211> 576

<212> DNA

<213> Homo sapiens

<400> 8

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gccaagtggg	cccaggctgc	acccatggca	gaaggaggag	ggcagaatca	tcacgaagtg	120
gtgaaattca	tggatgtcta	tcagcgcagc	tactgccatc	caatcgagac	cctgggtggac	180
atcttccagg	agtaccctga	tgagatcgag	tacatcttca	agccatcctg	tgtgcccctg	240
atgcatgctg	ggggctgctg	caatgacgag	ggcctggagt	gtgtgcccac	tgaggagtcc	300
aacatcacca	tgcagattat	gcgatcaaaa	cctcaccaag	gccagcacat	aggagagatg	360
agcttcctac	agcacaacaa	atgtgaatgc	agaccaaaga	aagatagagc	aagacaagaa	420
aatccctgtg	ggccttgctc	agagcggaga	aagcatttgt	ttgtacaaga	tccgcagacg	480
tgtaaatgtt	cctgcaaaaa	cacagactcg	cgttgcaagg	cgaggcagct	tgagttaaac	540
gaacgtactt	gcagatgtga	caagccgagg	cggtga			576

<210> 9

<211> 642

<212> DNA

<213> Homo sapiens

<400> 9

atgaactttc	tgtgtctttg	ggtgcatttg	agcctcgctt	tgtgtctcta	cctccaccat	60
gccaagtggg	cccaggctgc	acccatggca	gaaggaggag	ggcagaatca	tcacgaagtg	120
gtgaagttca	tggatgtcta	tcagcgcagc	tactgccatc	caatcgagac	cctgggtggac	180
atcttccagg	agtaccctga	tgagatcgag	tacatcttca	agccatcctg	tgtgcccctg	240
atgcatgctg	ggggctgctg	caatgacgag	ggcctggagt	gtgtgcccac	tgaggagtcc	300
aacatcacca	tgcagattat	gcgatcaaaa	cctcaccaag	gccagcacat	aggagagatg	360
agcttcctac	agcacaacaa	atgtgaatgc	agaccaaaga	aagatagagc	aagacaagaa	420
aaaaaatcag	ttcgaggaaa	gggaaagggg	caaaaacgaa	agcgcaagaa	atcccgggtat	480
aagtcctgga	gcgtggggcc	ttgctcagag	cggagaaagc	atttgtttgt	acaagatccg	540
cagacgtgta	aatgttcctg	caaaaacaca	gactcgcgtt	gcaaggcgag	gcagcttgag	600
ttaaacgaac	gtacttgca	atgtgacaag	cggaggcggt	ga		642

<210> 10

<211> 699

<212> DNA

<213> Homo sapiens

<400> 10

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gccaagtggg	cccaggctgc	acccatggca	gaaggaggag	ggcagaatca	tcacgaagtg	120
gtgaagttca	tggatgtcta	tcagcgcagc	tactgccatc	caatcgagac	cctgggtggac	180
atcttccagg	agtaccctga	tgagatcgag	tacatcttca	agccatcctg	tgtgcccctg	240
atgcatgctg	ggggctgctg	caatgacgag	ggcctggagt	gtgtgcccac	tgaggagtcc	300
aacatcacca	tgcagattat	gcgatcaaaa	cctcaccaag	gccagcacat	aggagagatg	360
agcttcctac	agcacaacaa	atgtgaatgc	agaccaaaga	aagatagagc	aagacaagaa	420
aaaaaatcag	ttcgaggaaa	gggaaagggg	caaaaacgaa	agcgcaagaa	atcccgggtat	480
aagtcctgga	gcgtgtacgt	tggtgcccgc	tgtgtcttaa	tgccctggag	cctccctggc	540
ccccatccct	gtgggccttg	ctcagagcgg	agaaagcatt	tgtttgtaca	agatccgcag	600
acgtgtaaat	gttcctgcaa	aaacacagac	tcgcgttgca	aggcgaggca	gcttgagtta	660
aacgaacgta	cttgacagatg	tgacaagccg	aggcggtga			699

<210> 11

<211> 110

<212> PRT

<213> Homo sapiens

<400> 11

Ala	Pro	Met	Ala	Glu	Gly	Gly	Gly	Gln	Asn	His	His	Glu	Val	Val	Lys
1				5				10						15	
Phe	Met	Asp	Val	Tyr	Gln	Arg	Ser	Tyr	Cys	His	Pro	Ile	Glu	Thr	Leu
			20					25					30		
Val	Asp	Ile	Phe	Gln	Glu	Tyr	Pro	Asp	Glu	Ile	Glu	Tyr	Ile	Phe	Lys
		35					40					45			
Pro	Ser	Cys	Val	Pro	Leu	Met	Arg	Cys	Gly	Gly	Cys	Cys	Asn	Asp	Glu
	50					55					60				
Gly	Leu	Glu	Cys	Val	Pro	Thr	Glu	Glu	Ser	Asn	Ile	Thr	Met	Gln	Ile
65					70					75				80	
Met	Arg	Ile	Lys	Pro	His	Gln	Gly	Gln	His	Ile	Gly	Glu	Met	Ser	Phe
			85						90					95	
Leu	Gln	His	Asn	Lys	Cys	Glu	Cys	Arg	Pro	Lys	Lys	Asp	Arg		
			100					105					110		